|   | Index of Claims                         |          |          |           |          |                |          |            |        |           |           |          |            |             |                |                     |                       |           |          |           |                     |               |              |          | Regardination |  |           |     |              |          |          |          |           |  |  |
|---|---|----------|----------|-----------|----------|----------------|----------|------------|--------|-----------|-----------|----------|------------|-------------|----------------|---------------------|-----------------------|-----------|----------|-----------|---------------------|---------------|--------------|----------|---------------|--|-----------|-----|--------------|----------|----------|----------|-----------|--|--|
|   |   |          |          |           |          |                |          |            |        |           |           |          |            |             | 10/790,621     |                     |                       |           |          |           |                     |               |              |          |               | NB.  | <u>AC</u> | Н,  | SIE          | G        | FRIED    |          |           |  |  |
|   |   |          |          |           |          |                |          |            |        |           |           |          |            | Examiner    |                |                     |                       |           |          |           |                     |               |              | Art Unit |               |  |           |     |              |          |          |          |           |  |  |
| •   | T I I I I I I I I I I I I I I I I I I I |          |          |           |          |                |          |            |        |           |           |          |            |             | Tuan N. Nguyen |                     |                       |           |          |           |                     |               |              |          | 2828          |  |           |     |              |          |          |          |           |  |  |
|   |   |          |          |           |          |                |          |            |        |           |           |          |            |             |                |                     |                       |           |          |           |                     |               |              |          |               |  |           |     |              |          |          |          |           |  |  |
|   |   |          | 1        | Б         | al a     | -4-            | Ĺ        |            |        |           | (         | Thre     | οug        | h n         | um             | era                 | al)                   |           |          | П         | Non-Elected         |               |              |          |               |  | Appeal    |     |              |          |          |          |           |  |  |
| ✓ Rejected — (Through numerical Cancelled |   |          |          |           |          |                |          |            |        |           | ╝         | l        | N          | MON-Elected |                |                     |                       |           | Appear   |           |                     |               |              |          |               |  |           |     |              |          |          |          |           |  |  |
|   |   |          | =        | _         | lla      |                | ž.       |            |        | +         |           | -        | Restricted |             |                |                     |                       | ٦         | I        |           | 10                  | losf.         |              | 20       |               | 0  | Objected  |     |              |          |          |          |           |  |  |
|   | Vilowed                                 |          |          |           |          | Ī              |          | Kestiicten |        |           |           |          |            | ╛           | L              |                     | Interference          |           |          |           | Ц                   | Objected      |              |          |               |  |           |     |              |          |          |          |           |  |  |
|   |   | .1       | _        |           |          |                |          | _          |        |           |           | Claim    |            |             |                |                     |                       | _         | -4-      |           |                     |               |              |          | - 1           | _  |           |     | Date         |          |          |          | _         |  |  |
|   | Ck                                      |          | $\vdash$ |           |          | T <sup>†</sup> | Date     |            |        |           | -         | \-`      | $\neg$     |             | Т              | Т                   |                       | ᆸ         | ate      | 1         | Т                   | $\overline{}$ | ┨ ┃          | Ci       | aim           | -  |           |     |              |          | П        | $\dashv$ | •         |  |  |
|   | Final                                   | Original | 7/18/06  |           |          |                |          |            |        |           |           | i i      | 1          | Original    |                | -                   | ١                     |           | ١        |           |                     |               |              | Final    | Original      |  |           |     |              |          |          |          |           |  |  |
|   | Ē                                       | ð        | ž        |           |          |                |          |            |        |           |           | 1        | :          | Ö           |                | -                   | İ                     |           |          |           |                     | İ             |              | ιĒ       | ठ             |  |           |     | İ            |          |          |          |           |  |  |
|   | _                                       | 1        | V        | $\vdash$  | Н        | Н              | $\vdash$ | Н          | Н      | $\dashv$  | $\dashv$  | -        | _L         | 51          | $\dashv$       | ╅                   | ┪                     | +         | ┥        | ┥         | +                   | +             | <del> </del> |          | 101           | $\vdash$   | ╌         | ╬   | ╁            | ╁        | $\vdash$ | Н        | $\dashv$  |  |  |
|   |   | 2        | v        |           |          |                |          |            |        |           | コ         |          | Т          | 52          |                |                     |                       |           | ゴ        |           |                     |               | ]            |          | 102           |  | 土         |     |              |          |          |          |           |  |  |
| 53/8                                      |   | 3        | ٧        | $\vdash$  | Ц        |                |          |            | Н      | $\dashv$  | 4         | <u> </u> | +          | 53          | -              | 4                   | 4                     | 4         | 4        | 4         | 4                   | 4             | 4            |          | 103           | $\sqcup$   | 4         | ╀   | ╄            | ╀-       | ┡        | Н        | $\dashv$  |  |  |
|   |   | 5        | ٧        | $\vdash$  | Н        | Н              | Н        | Н          | Н      | -         | $\dashv$  | $\vdash$ | $\dashv$   | 54<br>55    | $\dashv$       | $\dashv$            | ┪                     | ╅         | ┪        | ┥         | $\dashv$            | ╁             | 1            |          | 104<br>105    | ┤┤   | ╁         | ╁   | ╁╴           | ╁        | ⊢        | H        | $\dashv$  |  |  |
|   |   | 6        | ٧        |           |          |                |          |            |        |           | J         |          |            | 56          |                |                     | コ                     |           | コ        |           |                     | 土             | 1            |          | 106           |  | 工         |     |              |          |          |          |           |  |  |
|   | <u> </u>                                | 7<br>8   | ٧        | $\vdash$  | Н        |                | Н        | H          | Н      | $\dashv$  | $\dashv$  | $\vdash$ |            | 57<br>58    | -              | 4                   | 4                     | 4         | -        | 4         | 4                   | +             | -l I         |          | 107<br>108    | Н  | +         | ╀   | ╀            | ┢        | $\vdash$ | $\sqcup$ | $\dashv$  |  |  |
|   | -                                       | (B)      |          | $\vdash$  | Н        |                | H        | Н          | Н      | $\dashv$  | $\dashv$  | $\vdash$ | +          | 59          | -              | +                   | $\dashv$              | +         | ┪        | $\dashv$  | $\dashv$            | +-            | ┥╽           |          | 109           | H  | +         | ╅   | +            | ╁        | ┢        | H        | $\dashv$  |  |  |
|   |   | 6        | 0        |           |          |                |          |            |        |           | $\Box$    |          | $\Box$     | 60          |                | コ                   |                       | _         | コ        |           |                     |               | ]            |          | 110           |  |           |     |              |          |          | 口        | $\Box$    |  |  |
|   |   | 12       | ٧٧       | П         | P        |                | L        | H          | Н      | $\dashv$  |           | $\vdash$ |            | 61<br>62    | $\dashv$       | +                   | $\dashv$              | +         | 4        | $\dashv$  | +                   | +             | -l           |          | 111<br>112    | $\vdash$   | +         | +   | ╀            | ╀        | ⊢        | Н        | $\dashv$  |  |  |
|   | -                                       | 13       | Ť        | 7         | Н        | Н              | $\vdash$ | Н          | Н      | $\dashv$  | -         | $\vdash$ | +          | 63          | $\dashv$       | $\dashv$            | +                     | +         | ┪        | $\dashv$  | +                   | +             | 1            |          | 113           | -  | 十         | ╁   | ╁            | +        | H        | H        | ᅦ         |  |  |
|   |   | 14       | V        |           |          |                |          |            |        |           |           |          | П          | 64          |                |                     |                       | $\Box$    | コ        |           | コ                   | #             | ]            |          | 114           |  | $\Box$    | 工   | I            |          |          |          |           |  |  |
|   |   | 15<br>16 | N.       | $\forall$ | Н        | _              | Н        |            | Н      |           | $\dashv$  | $\vdash$ |            | 65<br>66    | -              | +                   | +                     | +         | 4        | 4         | +                   | +-            | -            |          | 115<br>116    |  | +         | ╀   | ╀            | ┼        | ╌        | $\vdash$ | $\dashv$  |  |  |
|   | <u> </u>                                | 4        | Ö        | K         | X        | Н              | $\vdash$ | H          | Н      | $\dashv$  | ┪         | $\vdash$ |            | 67          | $\dashv$       | +                   | +                     | ┪         | ┪        | $\dashv$  | $\dashv$            | +             | 1            |          | 117           | Н  | +         | ╈   | ╁            | ╁        |          | Н        | ᅱ         |  |  |
|   |   | 18       |          |           |          |                |          |            |        |           |           |          |            | 68          | $\Box$         | $\rightrightarrows$ | $\sqsupset$           | コ         | コ        |           | $\Box$              |               | ]            |          | 118           |  | $\Box$    | 工   |              |          |          |          | $\Box$    |  |  |
|   | <u> </u>                                | 19<br>20 | H        | H         | Н        | Н              | $\vdash$ |            | Н      | $\dashv$  | -         | $\vdash$ |            | 69<br>70    | $\dashv$       | $\dashv$            | 4                     | $\dashv$  | 4        | $\dashv$  | $\dashv$            |               | - 1          |          | 119<br>120    | $\vdash$   | -         | +   | ╀            | ╀        | -        | $\vdash$ | $\dashv$  |  |  |
|   | $\vdash$                                | 21       |          | Н         | Н        | Н              |          |            | Н      | $\dashv$  | $\dashv$  | <b> </b> |            | 71          | $\dashv$       | +                   | +                     | $\forall$ | 7        | $\dashv$  | $\dashv$            | +-            | 1            | $\vdash$ | 121           | Н  | 十         | ╅   | 十            | ╁        | H        | Н        | $\dashv$  |  |  |
|   |   | 22       |          |           |          |                |          |            |        |           | $\exists$ |          | $\Box$     | 72          | $\Box$         | $\Box$              | $\Box$                | $\Box$    | コ        |           | $\exists$           | $\bot$        | ]            |          | 122           | $\Box$   | 1         | 工   | I            |          |          |          |           |  |  |
|   |   | 23<br>24 | H        | H         | Н        |                | Н        |            | Н      |           | $\dashv$  | $\vdash$ | +          | 73<br>74    | $\dashv$       | +                   | +                     | +         | +        | +         | +                   | +             | ┨╏           |          | 123<br>124    | ╌┤   | +         | ╫   | ╀            | ┼-       | ┢        | $\vdash$ | $\dashv$  |  |  |
|   |   | 25       |          |           |          | 1              |          |            |        |           | ゴ         |          |            | 75          | $\exists$      |                     |                       | 1         | ╛        | ╛         | 士                   |               | 1 [          |          | 125           |  | _         | 士   | 士            |          | 上        |          | $\exists$ |  |  |
|   |   | 26       |          |           |          |                | П        |            |        |           | $\exists$ |          |            | 76          | $\Box$         | _                   | 4                     | 4         | $\dashv$ | $\neg$    | $\dashv$            | 4             | 7            |          | 126           |  | $\dashv$  | 1   | $\downarrow$ | $\vdash$ | L        | $\Box$   | $\Box$    |  |  |
|   |   | 27<br>28 | $\vdash$ | Н         | Н        | Н              | -        | $\vdash$   | Н      | $\dashv$  | $\dashv$  | $\vdash$ |            | 77<br>78    | $\dashv$       | $\dashv$            | ┪                     | $\dashv$  | $\dashv$ | $\dashv$  | ┽                   | -             | 1            |          | 127<br>128    | $\vdash$   | +         |     | ╀            | ╁        | ┢        | Н        | $\dashv$  |  |  |
|   |   | 29       |          |           |          |                |          |            |        |           |           |          | $\Box$     | 79          | $\Box$         | 1                   |                       | 士         | コ        |           | <b>ゴ</b>            | 1             | ]            |          | 129           |  | 士         |     |              | T        |          |          |           |  |  |
|   |   | 30       | Ц        | Н         | Н        | Щ              | Н        |            | Н      |           | 4         | $\vdash$ |            | 80<br>81    | _              | 4                   | 4                     | 4         | 4        | 4         | 4                   | 4             | 4            |          | 130           | Н  | 4         | 4-  | _            | -        | -        | Н        |           |  |  |
|   |   | 31<br>32 | Н        | Н         | Н        | Н              | Н        | Н          | Н      |           | $\dashv$  | $\vdash$ |            | 82          | $\dashv$       | ╅                   | ┪                     | $\dashv$  | ┪        | $\dashv$  | +                   | +             | ┨            |          | 131<br>132    | ╂  | +         | ╁   | ╁            | ╁        | ┢        | Н        | $\dashv$  |  |  |
|   |   | 33       |          |           |          |                |          |            |        |           |           |          |            | 83          |                | コ                   | ユ                     | 士         |          |           |                     | 土             | ] [          |          | 133           |  | 士         | 土   | 上            | 上        |          |          |           |  |  |
|   | _                                       | 34<br>35 | Н        | Н         | Н        | _              | Н        | -          | Н      | $\dashv$  | $\dashv$  | $\vdash$ |            | 84<br>85    | -              | 4                   | 4                     | 4         | 4        | -         | 4                   | -             | 4            |          | 134<br>135    | ┦  | -         | -   | +            | ╄        | ├-       | $\vdash$ |           |  |  |
|   |   | 36       | Н        | Н         | Н        | Н              | Н        | Н          | Н      | $\dashv$  | $\dashv$  | $\vdash$ |            | 86          | $\dashv$       | $\dashv$            | ┪                     | ┪         | ┪        | +         | +                   | +             | ┨ ┃          | -        | 136           | ╌┤   | ╅         | +   | +            | ╁        | ┢        | H        | $\dashv$  |  |  |
|   |   | 37       |          |           |          |                |          |            |        |           | $\Box$    |          |            | 87          | $\Box$         | $\Box$              |                       | $\Box$    |          | $\Box$    | $\Box$              |               | ]            |          | 137           |  | 丁         | 工   | T            |          |          |          |           |  |  |
|   |   | 38<br>39 | Н        | _         | Н        | Н              | Н        | Н          | Н      | $\dashv$  | $\dashv$  | -        |            | 88<br>89    | -              | +                   | 4                     | +         | 4        | $\dashv$  | +                   | -             | ┥            |          | 138<br>139    | $\vdash$   | +         | ╀   | ╀            | ╀        | ⊢        | Н        | _         |  |  |
|   | _                                       | 40       | H        | H         | $\vdash$ | Н              | H        | Н          | H      |           | $\dashv$  | -        |            | 90          | _              | _                   | $\dashv$              | $\dashv$  | 1        | _         | _                   | _ -           |              | _        | 140           | $\vdash$   | $\dashv$  | +   | +            | 十        | 十        | H        | -         |  |  |
|   |   | 41       | 口        |           |          |                |          |            |        | $\Box$    | $\Box$    |          | $\Box$     | 91          | コ              | $\Box$              | 4                     | $\dashv$  | コ        | コ         | $\rightrightarrows$ | $\bot$        | ]            |          | 141           | $\square$  | $\dashv$  | Ī   | I            | 匚        |          |          |           |  |  |
|   | -                                       | 42<br>43 | Н        | Н         | Н        | $\dashv$       | Н        | Н          | Н      | $\dashv$  | $\dashv$  | $\vdash$ |            | 92<br>93    | +              | +                   | $\dashv$              | +         | +        | $\dashv$  | +                   | +             | ┨            | -        | 142<br>143    | $\vdash \vdash$  | -+        | ╀   | ╁            | ╁        | -        | H        | $\dashv$  |  |  |
|   |   | 44       | Н        | H         | $\vdash$ |                | Н        | H          |        |           | $\exists$ |          |            | 94          | _              | 7                   | _                     | +         | 1        | _         | $\exists$           | $\perp$       | <u> </u>     |          | 144           |  | 士         | +   | $\pm$        | 士        | T        | H        | $\dashv$  |  |  |
|   |   | 45       | П        | П         |          |                | П        | П          | $\Box$ |           | $\Box$    |          |            | 95          | 1              | $\Box$              | $\supset$             | $\Box$    |          | $\exists$ | $\dashv$            | Ţ             | ]            |          | 145           |  | 工         | T   | T            | L        |          | 口        |           |  |  |
|   |   | 46<br>47 | Н        | Н         | $\vdash$ | -              | Н        | Н          | Н      | $\dashv$  | $\dashv$  | $\vdash$ |            | 96<br>97    | $\dashv$       | +                   | $\dashv$              | +         | 4        | $\dashv$  | +                   | ╬             | -{           |          | 146<br>147    | $\vdash \vdash$  | +         | +   | +            | +        | $\vdash$ | dash     | $\dashv$  |  |  |
|   |   | 48       |          | Н         |          |                |          | $\Box$     |        | $\exists$ | ╛         |          | 1          | 98          | ╛              | $\pm$               | _                     | ╛         | 1        | _         | $\exists$           | 士             | <u> </u>     |          | 148           |  | 士         | 士   | 上            | İ        |          | H        |           |  |  |
|   |   | 49       | П        |           |          | $\Box$         |          | П          |        | $\Box$    | $\Box$    |          | $\Box$     | 99          | $\Box$         | I                   | $\operatorname{\Box}$ | Ţ         | Į        | $\exists$ | $\dashv$            | $\bot$        | ]            |          | 149           |  | $\Box$    | Ţ   | Γ            | Γ        |          | 口        |           |  |  |
|   | نـــــا                                 | 50       | Ш        |           |          |                |          |            | Ш      |           |           |          |            | 100         | $\perp$        |                     |                       | $\perp$   |          | ᆚ         |                     |               | ا ل          |          | 150           | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |           | _L_ | $\perp$      | L        |          | Ш        |           |  |  |

Application/Control No.

Applicant(s)/Patent under